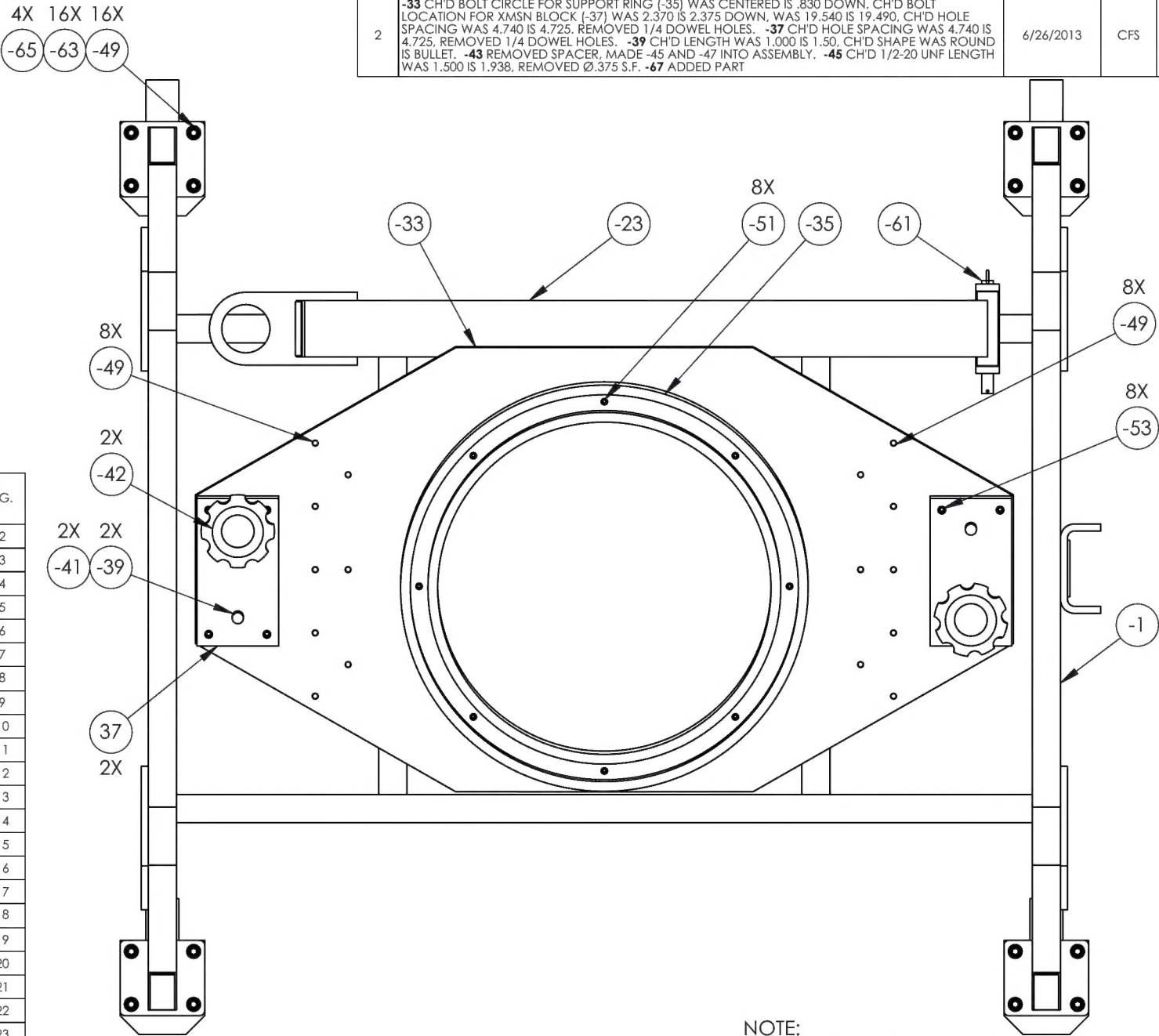


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -15 & -17 MATERIAL FROM 1018, ADDED P/N'S FOR -41 & -45, CH'D -49 QTY FROM 30 & DELETED -57, CH'D -1 FINISH FROM POWDERCOAT, ADDED MISSING DIMENSIONS, ADDED NOTE 1 PER S.E. CH'D WELD CALLOUT FOR -19A & -19B HOLE SIZE FROM Ø.386(X7) TO .390(X8), CH'D -27 DELETED S.F. -25 FROM R.562 THRU, CH'D -33 3/8-16 UND FROM (X14) TO (X16), DELETED .375(X2) CALLOUT PER G.E. CH'D FINISH FROM POWDERCOAT GREEN, CH'D DWG. NUMBER FROM RBW6305G19833 PER R.W.	3/12/2013	RJC	DW
2	-33 CH'D BOLT CIRCLE FOR SUPPORT RING (-35) WAS CENTERED IS .830 DOWN, CH'D BOLT LOCATION FOR XMSN BLOCK (-37) WAS 2.370 IS 2.375 DOWN, WAS 19.540 IS 19.490, CH'D HOLE SPACING WAS 4.740 IS 4.725, REMOVED 1/4 DOWEL HOLES, -37 CH'D HOLE SPACING WAS 4.740 IS 4.725, REMOVED 1/4 DOWEL HOLES, -39 CH'D LENGTH WAS 1.000 IS 1.50, CH'D SHAPE WAS ROUND IS BULLET, -43 REMOVED SPACER, MADE -45 AND -47 INTO ASSEMBLY, -45 CH'D 1/2-20 UNF LENGTH WAS 1.500 IS 1.938, REMOVED Ø.375 S.F, -67 ADDED PART	6/26/2013	CFS	DW

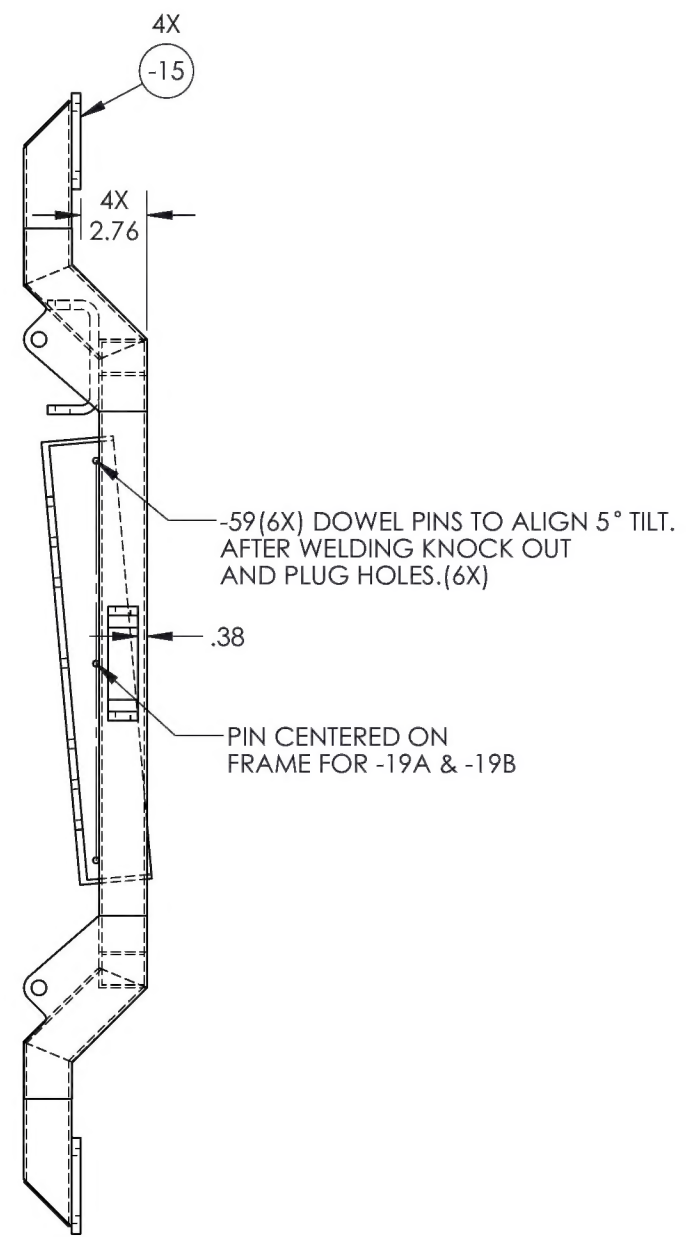


ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		X		-1	1	FRAME WELDMENT			2
		2		-3		SIDE RAIL	RECT. TUBE	.120 X 1-1/2 X 2 X 45-1/2	3
		2		-5		CENTER RAIL	RECT. TUBE	.120 X 1-1/2 X 2 X 24	4
		2		-7		FRONT & BACK RAIL	RECT. TUBE	.120 X 1-1/2 X 2 X 27	5
		4		-9		ANGLED LEG	RECT. TUBE	.120 X 1-1/2 X 2 X 5-1/2	6
		4		-11		HORIZONTAL LEG	RECT. TUBE	.120 X 1-1/2 X 2 X 7-3/4	7
		4		-13		END CAP	C.R. SHEET	14ga. X 1-5/16 X 2-5/8	8
		4		-15		WHEEL PLATE	A36 PLATE	3/8 X 4 X 4-1/2	9
		4		-17		LIFTING BRACE	A36 PLATE	3/8 X 5-1/8 X 7-5/8	10
		1		-19A		FRONT PLATE MOUNT	ANGLE BAR	5/16 X 3 X 4 X 18-1/2	11
		1		-19B		REAR PLATE MOUNT	ANGLE BAR	5/16 X 3 X 4 X 18-1/2	12
		1		-21		TONGUE BRACKET	H.R. FLAT BAR	3/8 X 1-1/4 X 8-1/2	13
	X			-23	1	HANDLE WELDMENT			14
	1			-25		PIVOT	CDS	Ø1-1/8 X 1/4 WALL X 4	15
	1			-27		TONGUE TUBE	RECT. TUBE	3/16 X 1-1/2 X 3 X 37	16
	1			-29		TONGUE PLATE	1018	5/8 X 4 X 8	17
	2			-31		END CAP	C.R. SHEET	14ga. X 7/16 X 2.70	18
				-33	1	TOP PLATE	A-36 PLATE	5/8 X 23-3/4 X 43-1/2	19
				-35	1	SUPPORT RING	DELIN	2 X 22 X 22	20
				-37	2	XMSN BLOCK	6061 FLAT BAR	1-3/4 X 4-1/2 X 8-1/8	21
				-39	2	PIN NOSE	DELIN	Ø5/8 X 1-1/8	22
				-41	2	PIN ALL THREAD	STEEL	1/2-20 UNF X 2-3/8 MCMaster-CARR #98957A809	23
X				-42	2	KNOB ASSEMBLY			24
1				-43		HANDLE SPACER	DELIN	Ø5/8 X 7/8	25
1				-45		HANDLE ALL THREAD	PLAIN STEEL	1/2-20 UNF X 3-1/8 MCMaster-CARR #98957A809	26
1				-47		KNOB	PHENOLIC	REID #KHN-45(MODIFIED)	27
			B/O	-49	32	SOCKET HEAD CAP SCREW	STEEL	3/8-16 UNC X 7/8 MCMaster-CARR #90128A623	1
			B/O	-51	8	SOCKET HEAD CAP SCREW	STEEL	#10-32 UNC X 1-1/4 MCMaster-CARR #90128A948	1
			B/O	-53	8	SOCKET HEAD CAP SCREW	STEEL	1/4-20 UNC X 1-1/2 MCMaster-CARR #90128A251	1
			B/O	-59	6	DOWEL PIN	STEEL	Ø1/4 X 3/4 MCMaster-CARR #98381A540	2
			B/O	-61	1	HITCH PIN	STEEL	Ø5/8 X 5-3/4 MCMaster-CARR #98497A663	1
			B/O	-63	16	FLAT WASHER	STEEL	Ø3/8 MCMaster-CARR #94744A265	1
			B/O	-65	4	LOCKING WHEELS		Ø6 in. APPLIED(BASSICK #CAS60156YZ200A81 BG SL)	1
				-67		STOP	1018	1/8 X 3 X 1-1/4	28
ASSY -42	ASSY -23	ASSY -1							

NOTE:  
REF AGUSTA T/N: 3G6305G19833.


RED BARN MACHINE		
TITLE AW139 MAIN GEARBOX TROLLEY		
DWG NO. RBW6305G19833-3G		REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1		DRAWN BY: PERRITT APPROVED D Weil HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL AW139
SCALE 1:8	DATE 6/21/2013	SHEET 1 OF 28

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -1 FINISH FROM POWDER COAT. ADDED MISSING DIMENSIONS, ADDED NOTE 1 PER S.E. CH'D WELD CALLOUT FOR -19A & B TO -5 PER D.W.	6/24/2013	RJC	DW



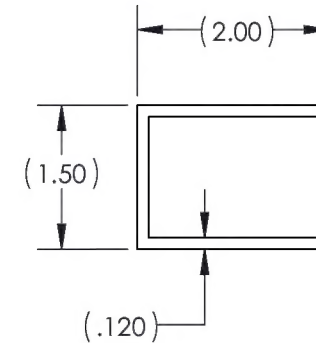
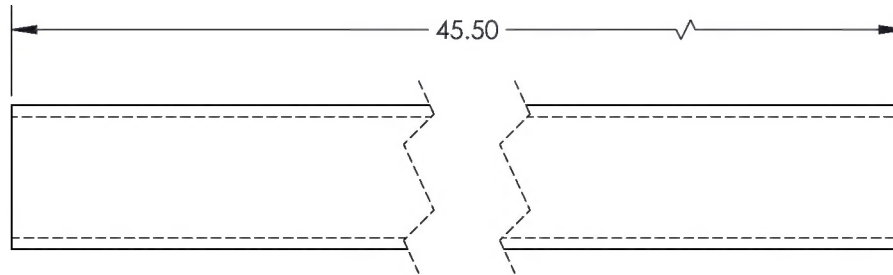
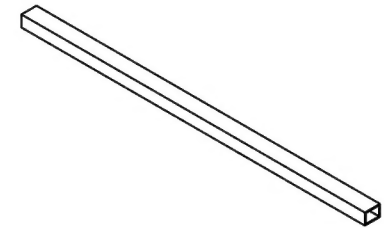
**NOTE:**  
1. FOR PROPER ALIGNMENT: ALIGN HOLES IN -33 TO THE HOLES IN -19A & -19B PRIOR TO WELDING.

①  
FRAME WELDMENT

		<h1>RED BARN MACHINE</h1>	
<p>TITLE</p> <h2>AW139 MAIN GEARBOX TROLLEY</h2>			
<p>DWG NO.</p> <h3>RBW6305G19833-3G-1</h3>		<p>REV</p> <h3>2</h3>	
<p>MAT'L</p>		<p>DRAWN BY:</p> <h3>PERRITT</h3>	
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p>		<p>APPROVED</p> <h3><i>D. Weid</i></h3>	
<p>.XXX ± .005</p>		<p>REAT</p>	
<p>.XX ± .01</p>		<p>TREAT</p>	
<p>.X ± .1</p>		<p>FINISH</p>	
<p>FRACTIONS ± 1/32</p>		<p>POWDER COAT YELLOW</p>	
<p>ANGLES ± 5°</p>		<p>SPEC</p>	
<p>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</p>		<p>FED #13538</p>	
<p>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</p>		<p>USED ON MODEL</p>	
<p>SCALE</p>		<p>AW139</p>	
<p>1:8</p>		<p>DATE</p>	
<p>6/21/2013</p>		<p>SHEET 2 OF 28</p>	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



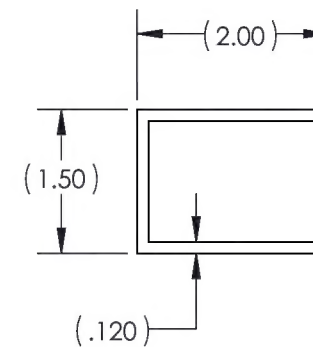
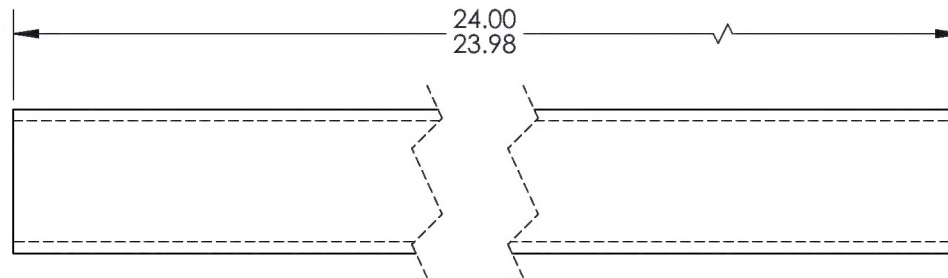
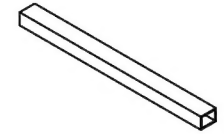
③

SIDE RAIL

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-3	<b>REV</b> ?
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -1 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET</b> 3 OF 28


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



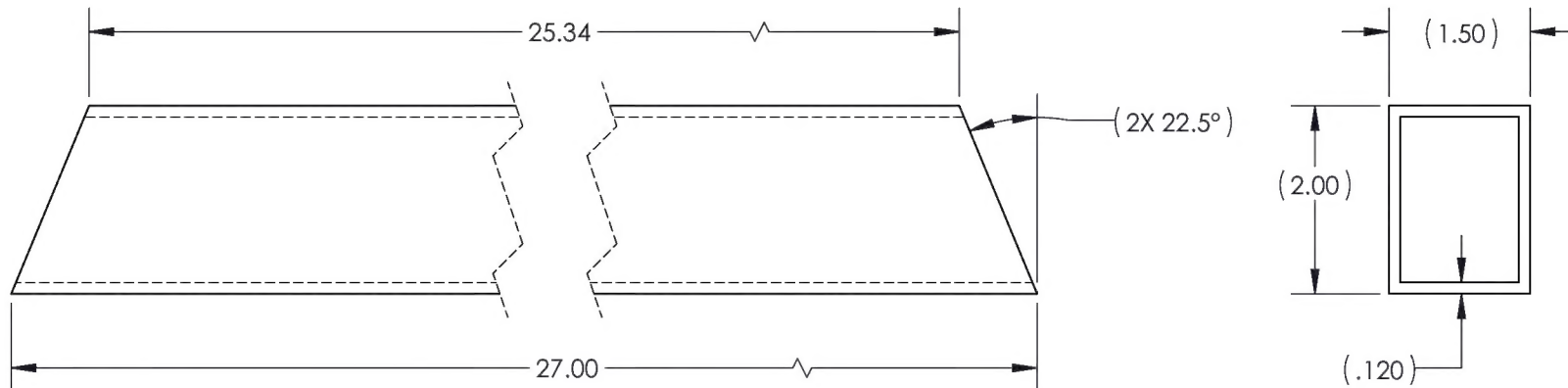
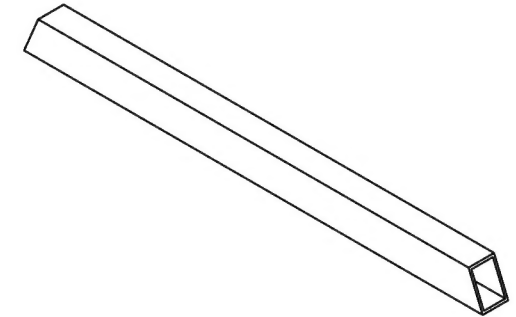
(-5)

CENTER RAIL

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-5</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -1 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET 4 OF 28</b>


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-7)

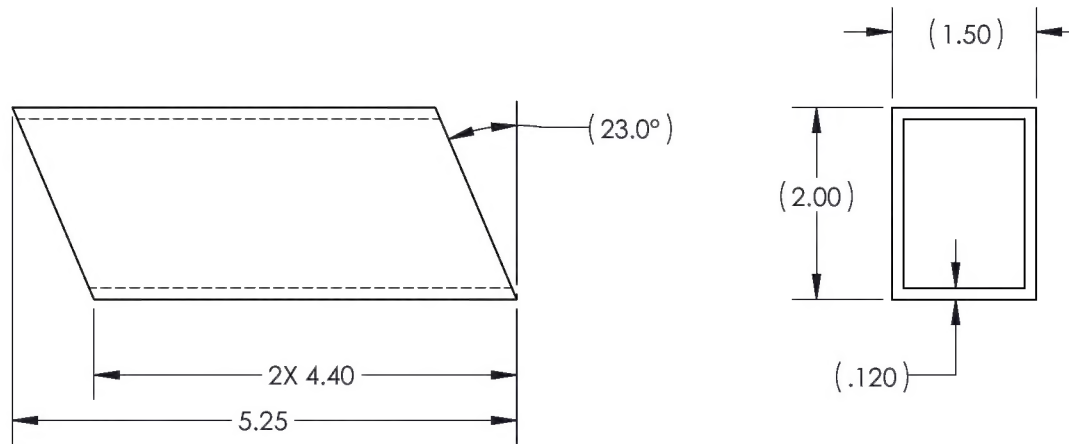
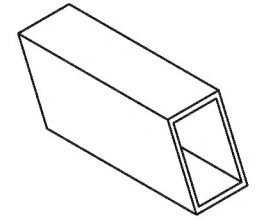
FRONT & BACK RAIL

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-7</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b>	<b>APPROVED</b> <i>D Weil</i>
<b>.XXX ± .005</b>	<b>HEAT</b>
<b>.XX ± .01</b>	<b>TREAT</b>
<b>.X ± .1</b>	<b>FINISH</b> SEE -1 WELDMENT
<b>1. BREAK ALL SHARP EDGES .015 x 45°</b> <b>OR .015R</b>	<b>SPEC</b>
<b>2. DIMENSIONAL LIMITS APPLY AFTER</b> <b>PLATING</b>	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013
<b>SHEET 5 OF 28</b>	




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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



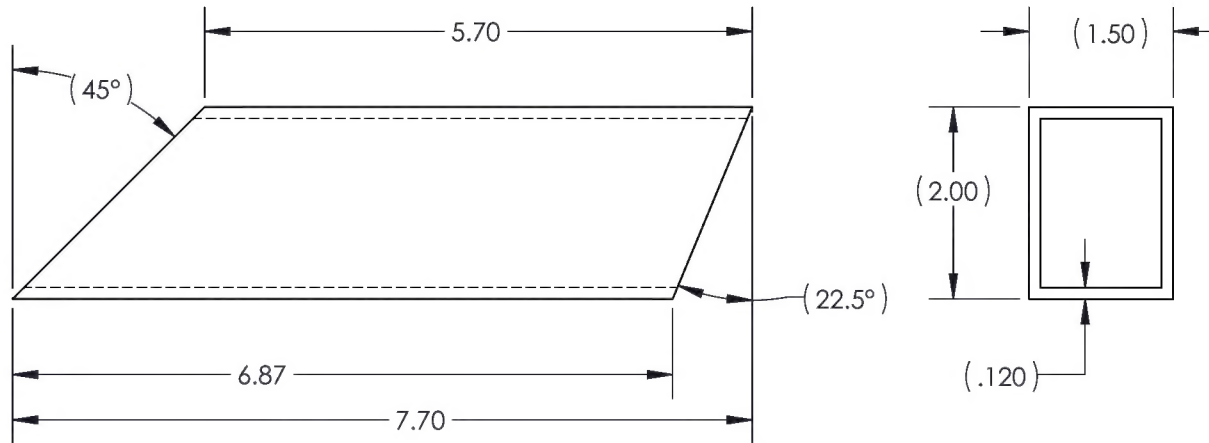
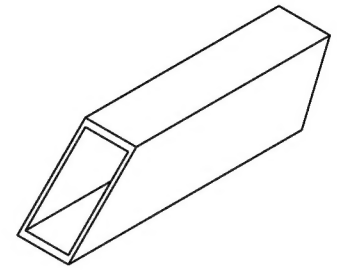
(-9)

ANGLED LEG

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-9</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -1 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET</b> 6 OF 28


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



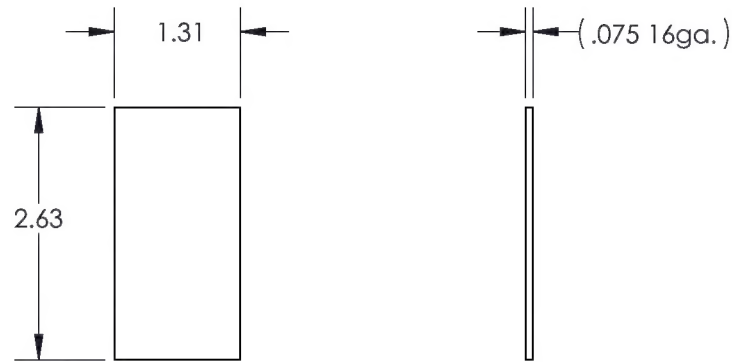
(-11)

HORIZONTAL LEG

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-11	<b>REV</b> ?
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</b> .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01        ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i>
	<b>HEAT TREAT</b>
	<b>FINISH</b> SEE -1 WELDMENT
	<b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET</b> 7 OF 28


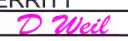
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-13)

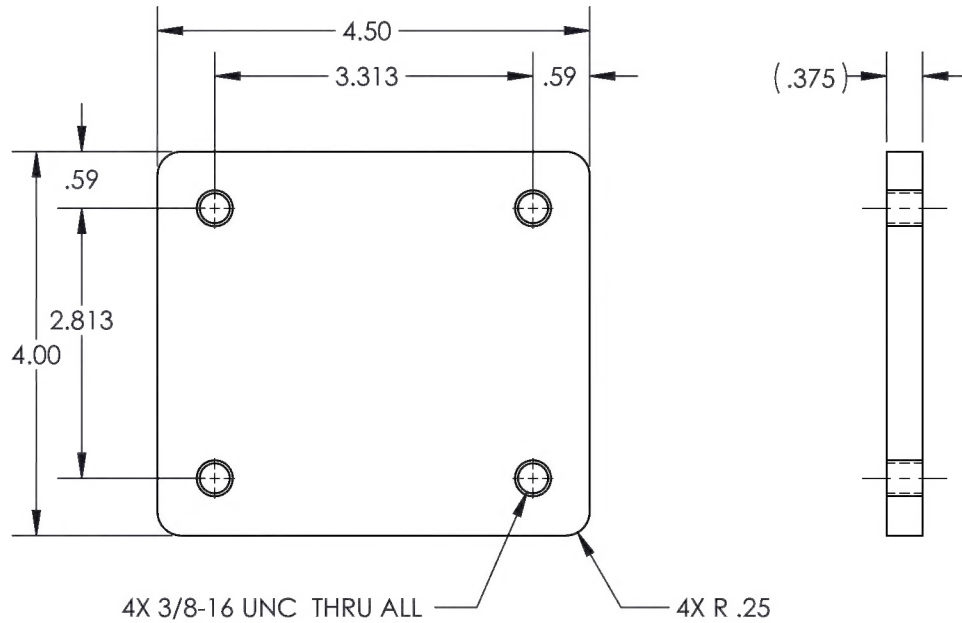
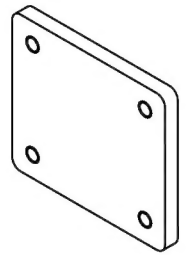
END CAP

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-13</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> C.R. SHEET	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT</b> SEE -1 WELDMENT <b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET</b> 8 OF 28



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



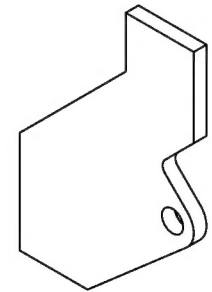
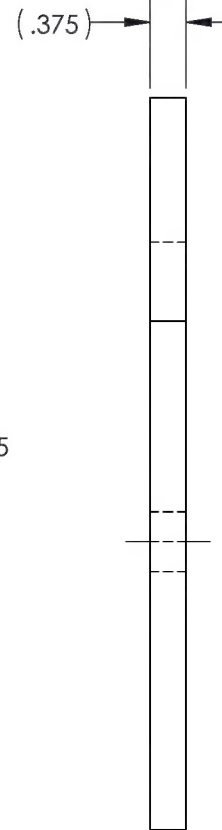
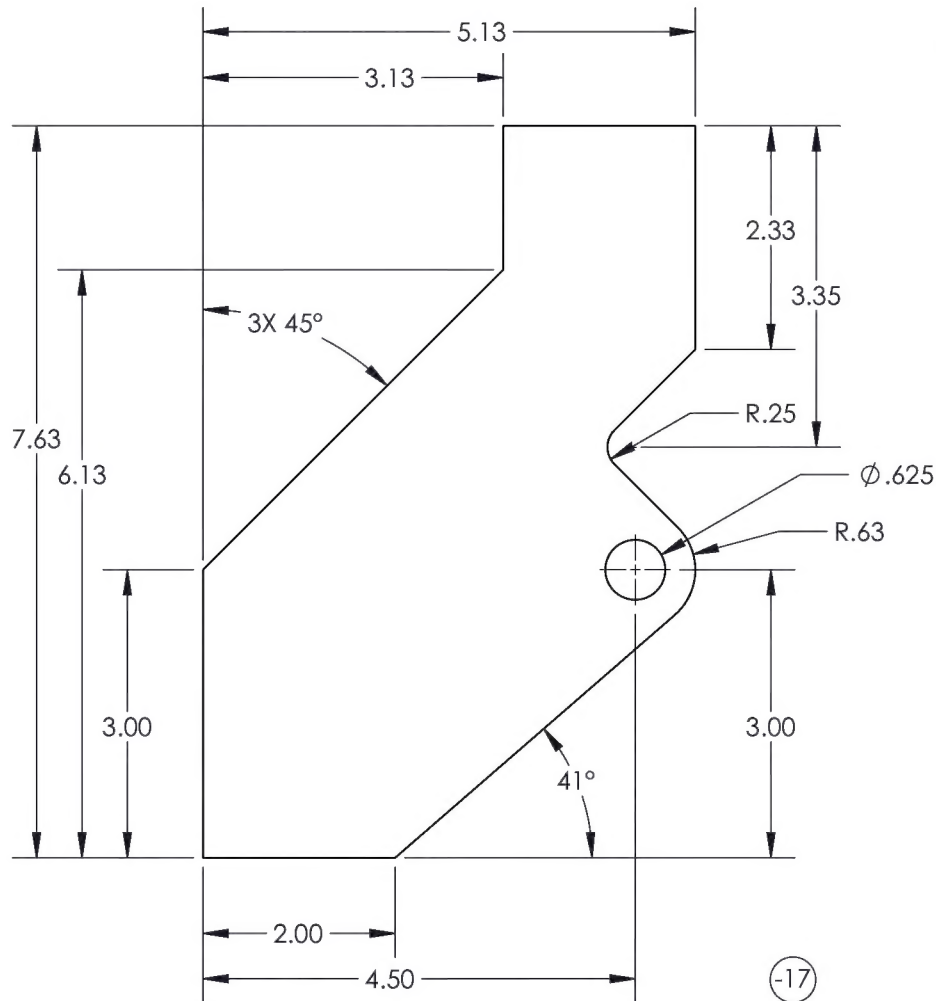
(-15)

WHEEL PLATE

<b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-15	<b>REV</b> ?
<b>MAT'L</b> A36 PLATE	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -1 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013 <b>SHEET</b> 9 OF 28

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED

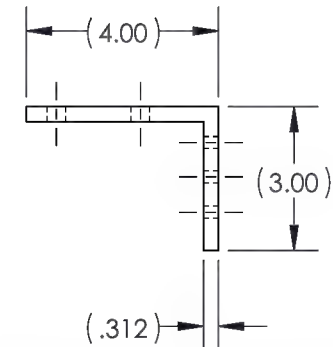
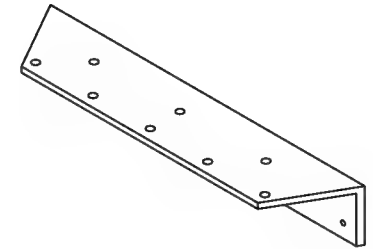
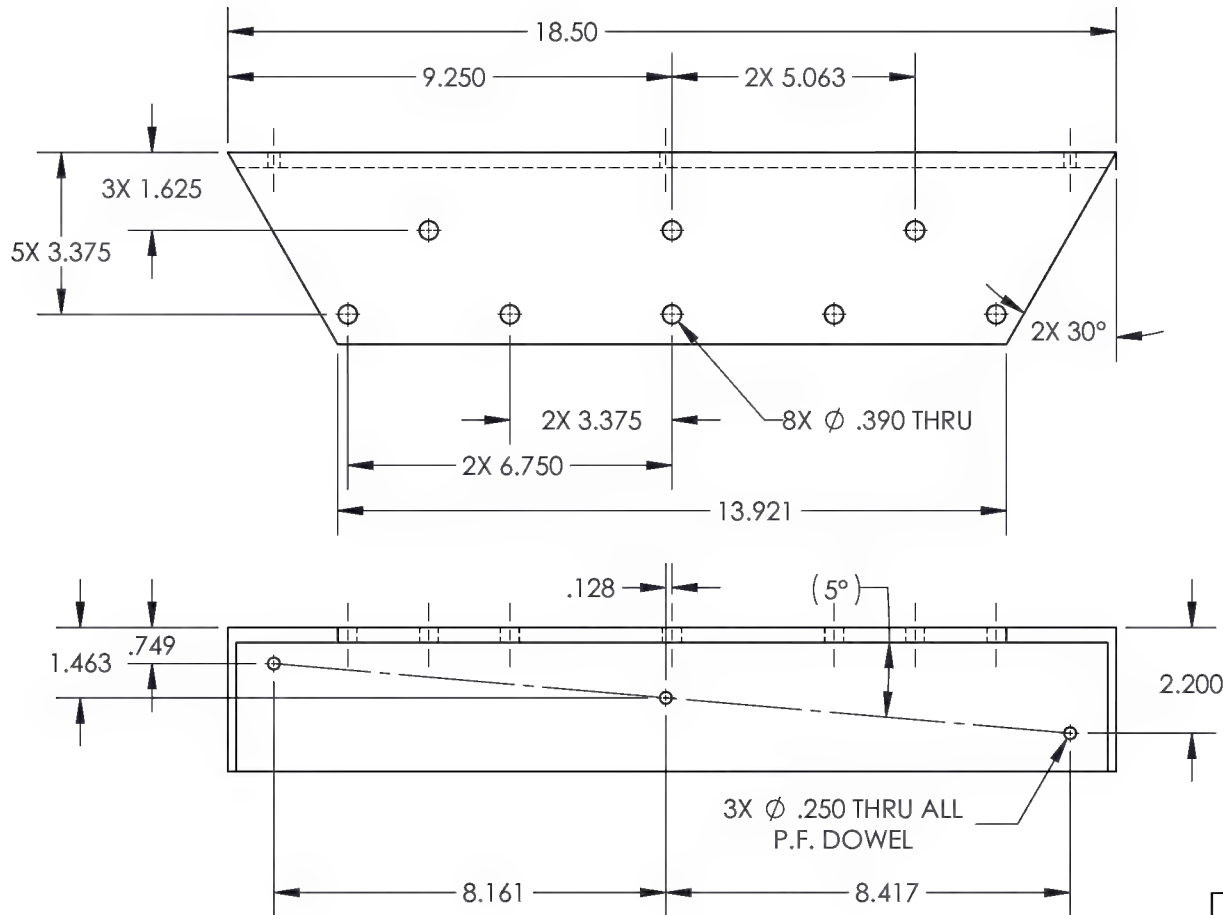


(-17)  
LIFTING BRACE

RED BARN MACHINE	
TITLE AW139 MAIN GEARBOX TROLLEY	
DWG NO. RBW6305G19833-3G-17	REV ?
MAT'L A36 PLATE	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 .XX ± .01 .X ± .1	HEAT TREAT FINISH SEE -1 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC USED ON MODEL AW139
SCALE 1:2	DATE 6/21/2013 SHEET 10 OF 28

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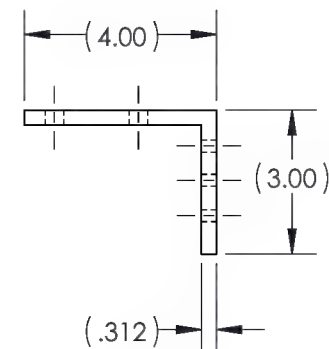
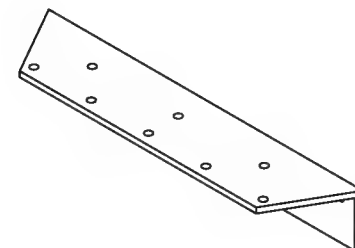
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -19A & -19B HOLE SIZE FROM Ø.386(X7) TO Ø.390 (X8) PER G.E.	3/12/13	RJC	DW




-19A  
FRONT PLATE MOUNT

<b>RED BARN MACHINE</b>	
TITLE <b>AW139 MAIN GEARBOX TROLLEY</b>	
DWG NO. <b>RBW6305G19833-3G-19A</b>	REV <b>2</b>
MAT'L ANGLE BAR	DRAWN BY: <b>PERRITT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -1 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW139
SCALE 1:4	DATE 6/21/2013
SHEET 11 OF 28	

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -19A & -19B HOLE SIZE FROM Ø.386(X7) TO Ø.390 (X8) PER G.E.	6/24/2013	RJC	DW

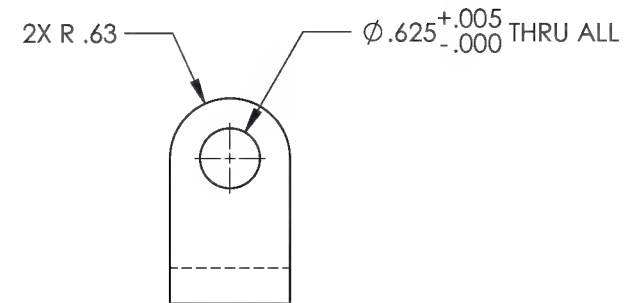
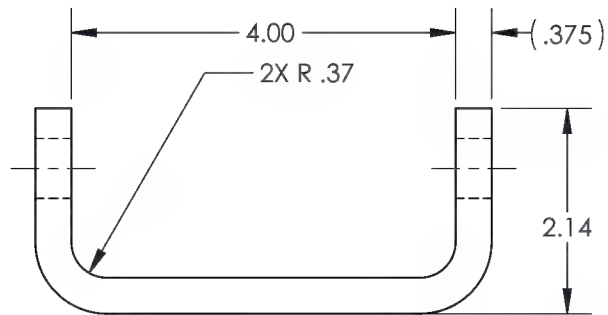
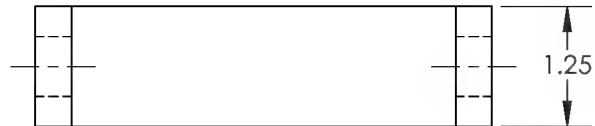
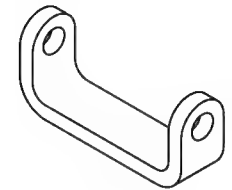


REAR PLATE MOUNT

		<h1>RED BARN MACHINE</h1>	
TITLE <h2>AW139 MAIN GEARBOX TROLLEY</h2>			
DWG NO.      RBW6305G19833-3G-19B			REV <b>2</b>
MAT'L    ANGLE BAR		DRAWN BY:    PERRITT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weel</i>	
.XXX ± .005 .XX ± .01 .X ± .1		FRACTIONS ± 1/32 ANGLES ± 5°	
1. BREAK ALL SHARP EDGES .015 x .45" OR .015R		REATREAT FINISH    SEE -1 WELDMENT	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SPEC	
		USED ON MODEL	
		AW139	
SCALE    1:4	DATE    6/21/2013	SHEET 12 OF 28	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



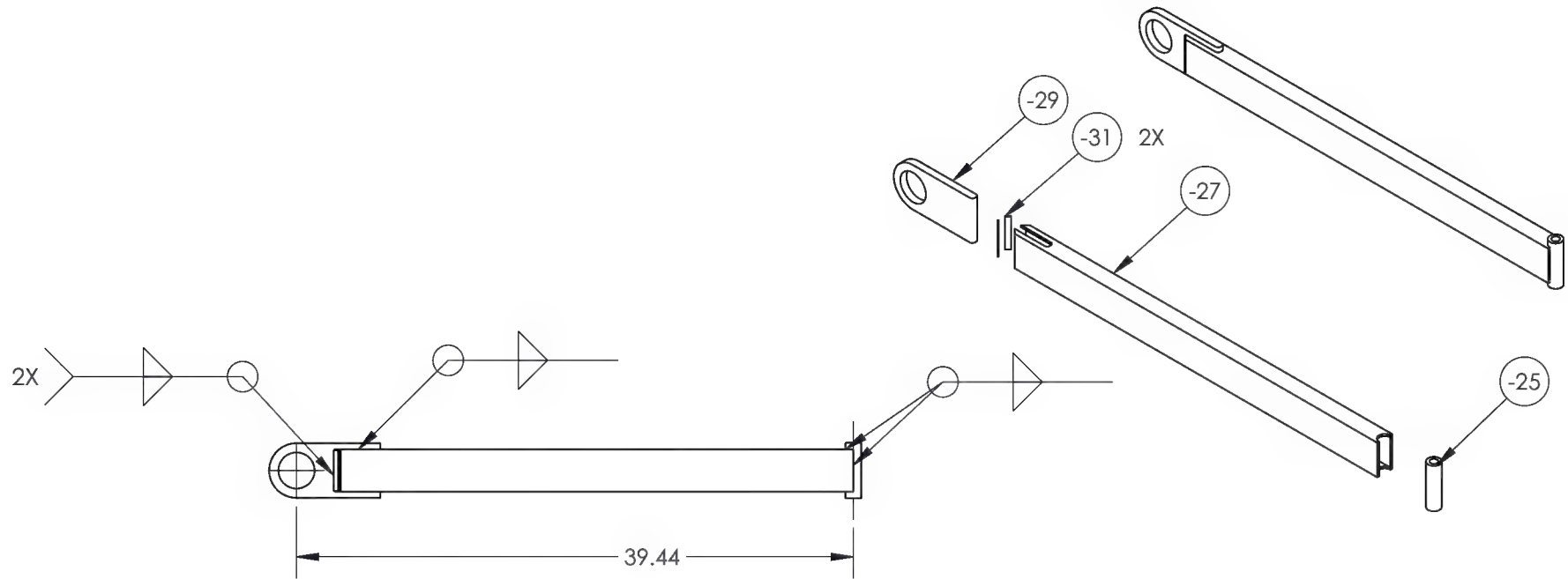
(-21)

TONGUE BRACKET

<b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-21	<b>REV</b> ?
<b>MAT'L</b> H.R. FLAT BAR	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</b> .XXX $\pm$ .005 .XX $\pm$ .01 .X $\pm$ .1 FRACTIONS $\pm$ 1/32 ANGLES $\pm$ 5°	<b>APPROVED</b> <i>D Weil</i>
	<b>HEAT TREAT</b> SEE -1 WELDMENT
	<b>SPEC</b>
	<b>USED ON MODEL</b> AW139
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>SCALE</b> 1:2 <b>DATE</b> 6/21/2013 <b>SHEET</b> 13 OF 28


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-23)

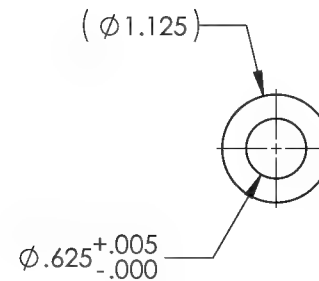
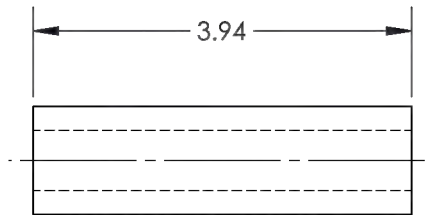
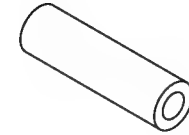
HANDLE WELDMENT

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19822-3G-23	<b>REV</b> ?
<b>MAT'L</b> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>DRAWN BY:</b> PERRITT <b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> POWDER COAT YELLOW <b>SPEC</b> FED #13538 <b>USED ON MODEL</b> AW139
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 1:12	<b>DATE</b> 6/21/2013
<b>SHEET 14 OF 28</b>	




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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



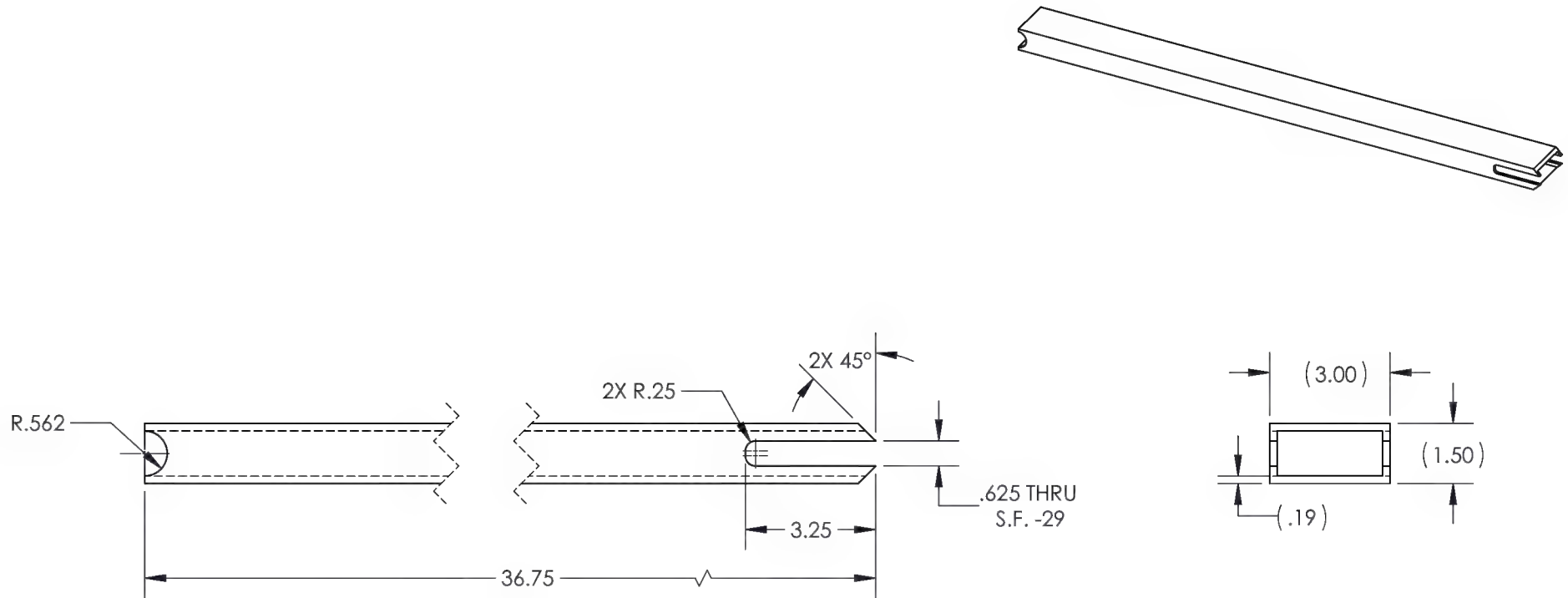
(-25)

PIVOT

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19822-3G-25	<b>REV</b> ?
<b>MAT'L</b> CDS UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01        ANGLES ± 5° .X ± .1	<b>DRAWN BY:</b> PERRITT <b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> FINISH SEE -23 WELDMENT <b>SPEC</b> 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
<b>USED ON MODEL</b> AW139	
<b>SCALE</b> 1:2	<b>DATE</b> 6/21/2013
<b>SHEET 15 OF 28</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -27 DELETED S.F. -25 FROM R..562 THRU PER G.E.	6/24/2013	RJC	DW

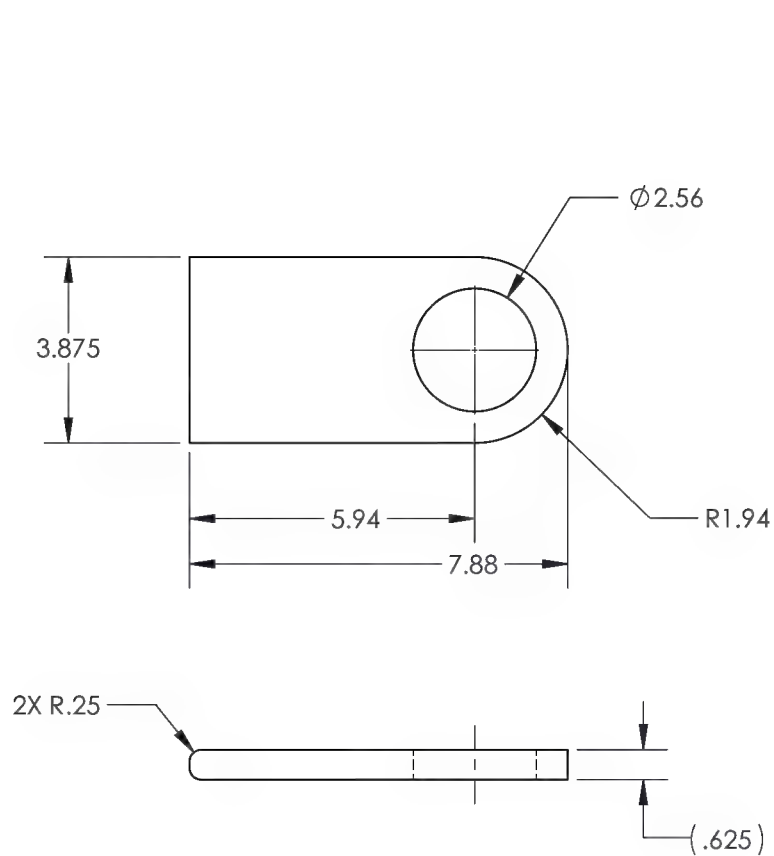


(-27)  
TONGUE TUBE

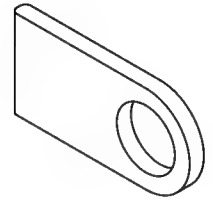
<b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19822-3G-27	<b>REV</b> <b>2</b>
<b>MAT'L</b> RECT. TUBE	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	<b>APPROVED</b> <i>D Weil</i>
<b>FRACTIONS</b> ± 1/32 <b>ANGLES</b> ± 5°	<b>HEAT TREAT</b> SEE -23 WELDMENT
<b>1. BREAK ALL SHARP EDGES</b> .015 x 45° OR .015R <b>2. DIMENSIONAL LIMITS APPLY AFTER</b> PLATING	<b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 1:4	<b>DATE</b> 6/21/2013
<b>SHEET 16 OF 28</b>	


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REVIEWS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



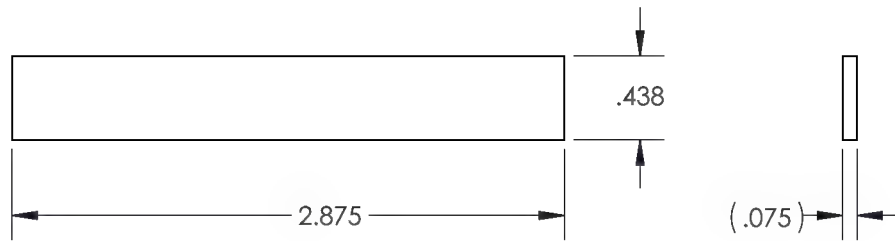
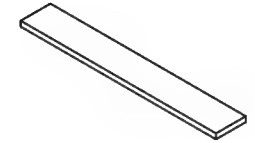
(-29)  
TONGUE PLATE



 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19822-3G-29</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -23 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:4	<b>DATE</b> 6/21/2013 <b>SHEET 17 OF 28</b>


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



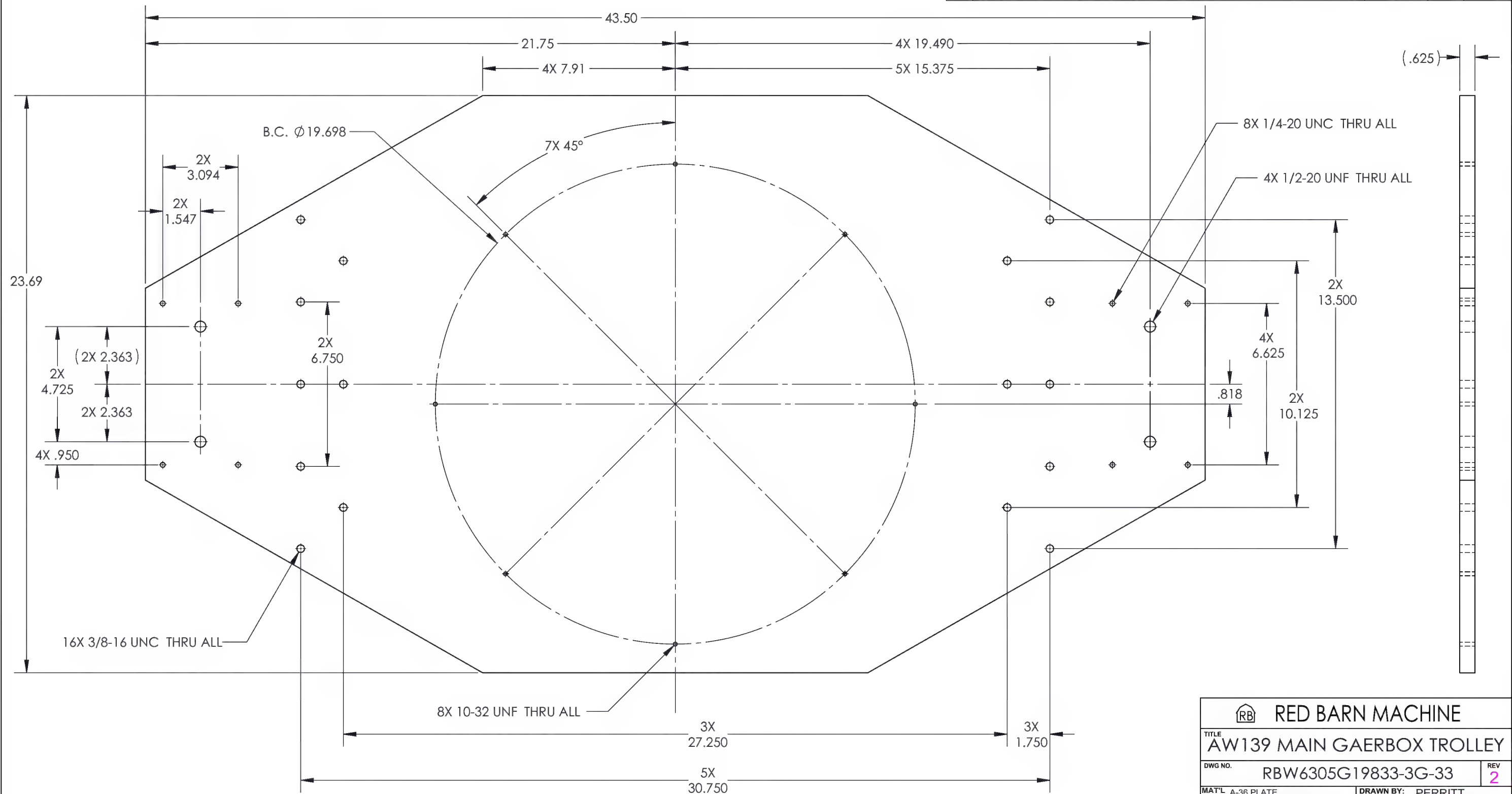
(-31)

END CAP

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19822-3G-31	<b>REV</b> ?
<b>MAT'L</b> C.R. SHEET	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> SEE -23 WELDMENT <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:1	<b>DATE</b> 6/21/2013 <b>SHEET</b> 18 OF 28


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -33 3/8-16 UNC FROM (X14) TO (X16), DELETED Ø.375 (X2) CALLOUT PER G.E. CH'D FINISH FROM POWDER COAT GREEN PER G.E.	6/24/2013	RJC	DW
2	-33 CH'D BOLT CIRCLE FOR SUPPORT RING (-35) WAS CENTERED IS .818 DOWN. CH'D BOLT LOCATION FOR XMSN BLOCK (-37) WAS 2.370 IS 2.363 DOWN, WAS 19.540 IS 19.490, CH'D HOLE SPACING WAS 4.740 IS 4.725. REMOVED 1/4 DOWEL HOLES.	6/26/2013	CFS	DW



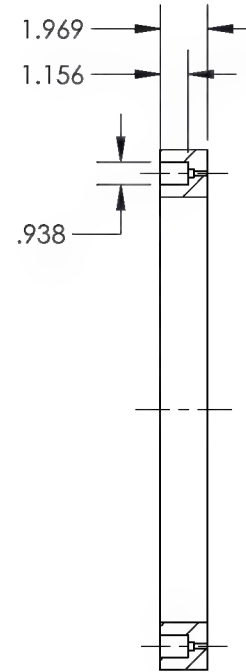
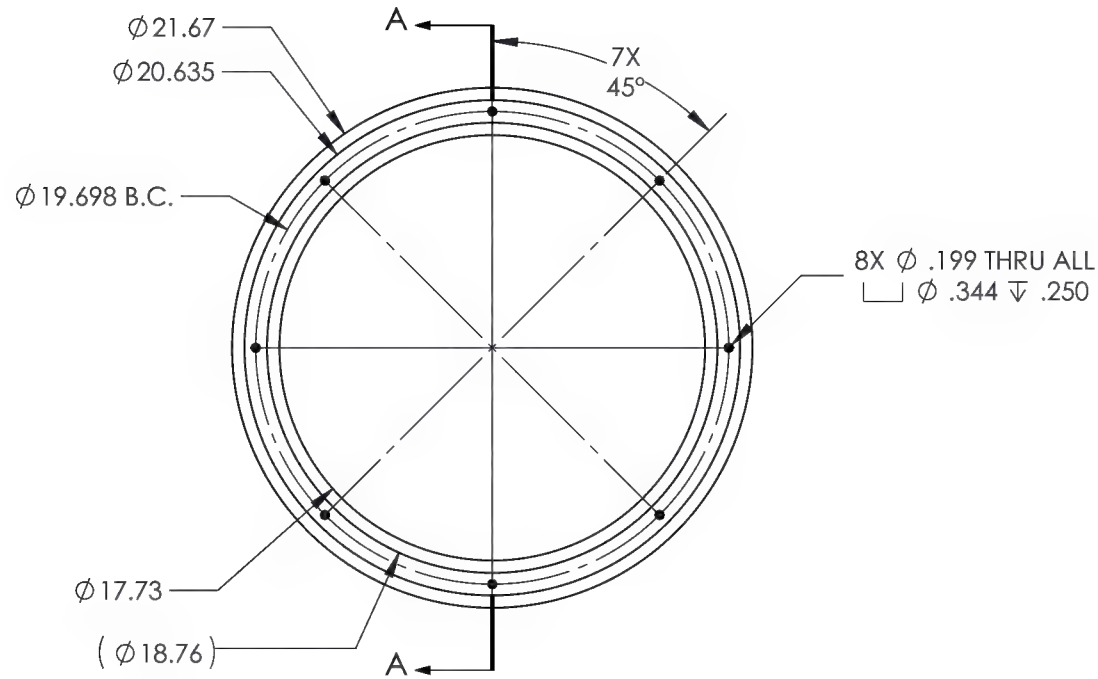
(-33)

TOP PLATE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GAERBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-33</b>	<b>REV</b> <b>2</b>
<b>MAT'L</b> A-36 PLATE UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ±.5° .X ± .1 OR ±.1	<b>DRAWN BY:</b> PERRITT <b>APPROVED</b> <i>D Weill</i> <b>HEAT TREAT</b> <b>FINISH</b> POWDER COAT YELLOW <b>SPEC</b> FED #13538
<b>1. BREAK ALL SHARP EDGES .015 x 45°</b> <b>OR .015R</b> <b>2. DIMENSIONAL LIMITS AFTER PLATING</b>	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:4	<b>DATE</b> 6/21/2013
<b>SHEET 19 OF 28</b>	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



SECTION A-A

(-35)

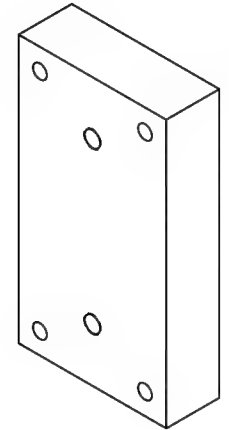
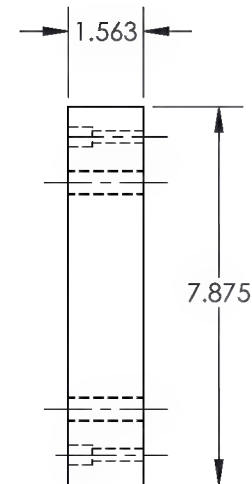
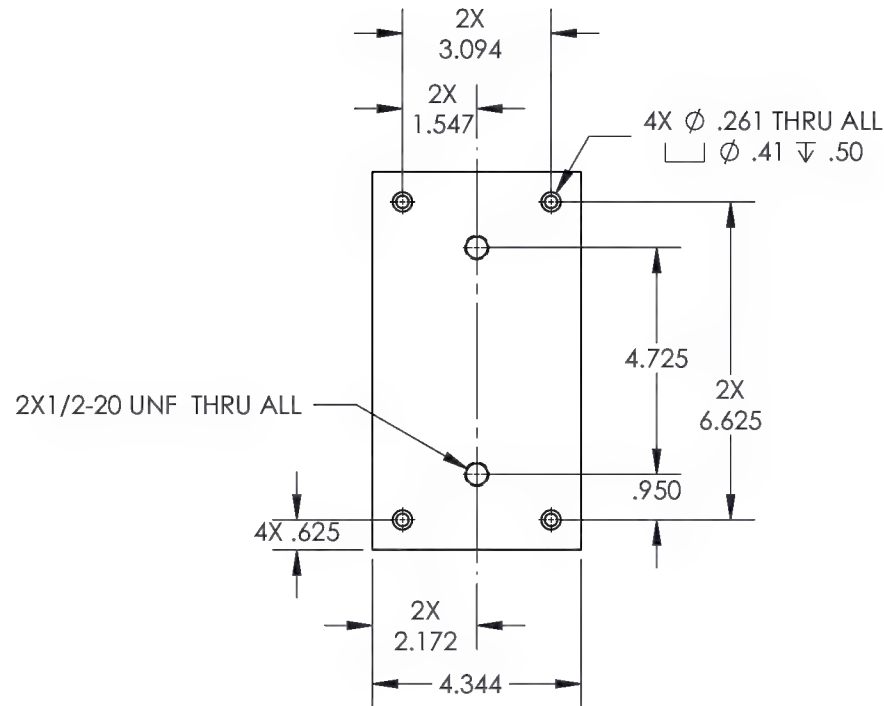
SUPPORT RING

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-35	<b>REV</b> ?
<b>MAT'L</b> DELRIN	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX $\pm .005$ .XX $\pm .01$ .X $\pm .1$	<b>APPROVED</b>  HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW139
<b>SCALE</b> 1:8	<b>DATE</b> 6/21/2013
SHEET 20 OF 28	



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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-37 CH'D HOLE SPACING WAS 4.740 IS 4.725, REMOVED 1/4 DOWEL HOLES.	6/26/2013	CFS	



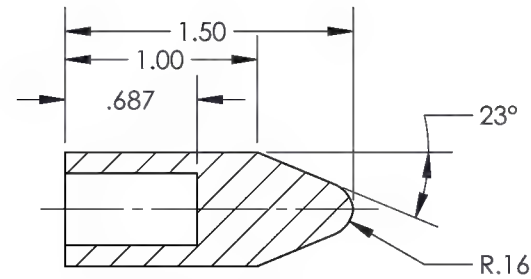
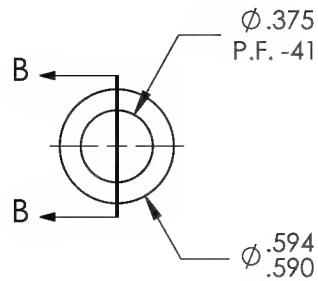
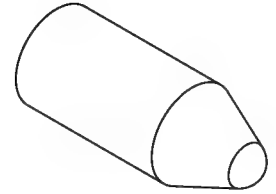
(-37)

XMSN BLOCK

<b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-37	<b>REV</b> 2
<b>MAT'L</b> 6061 FLAT BAR	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> <b>DIMENSIONS ARE IN INCHES</b> .XXX $\pm$ .005      FRACTIONS $\pm$ 1/32 .XX $\pm$ .01      ANGLES $\pm$ 5° .X $\pm$ .1	<b>APPROVED</b> <i>D Weil</i>
	<b>HEAT TREAT</b>
	<b>FINISH</b> POWDER COAT YELLOW
	<b>SPEC</b> FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:4	<b>DATE</b> 6/21/2013
<b>SHEET 21 OF 28</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-39 CH'D LENGTH WAS 1.000 IS 1.50, CH'D SHAPE WAS ROUND IS BULLET.	6/26/2013	CFS	



SECTION B-B

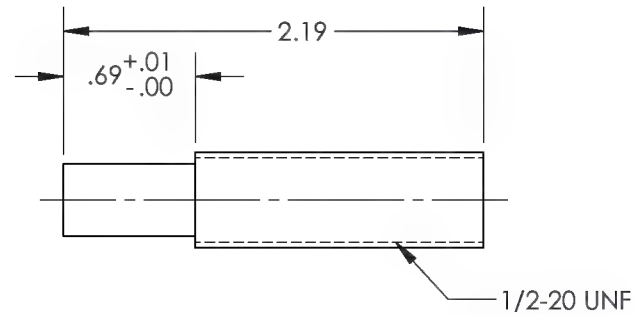
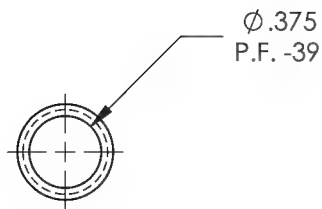
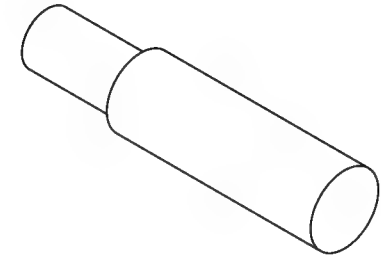


PIN NOSE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-39	<b>REV</b> 2
<b>MAT'L</b> DELRIN	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
<b>SCALE</b> 1:1	<b>DATE</b> 6/21/2013
<b>SHEET 22 OF 28</b>	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



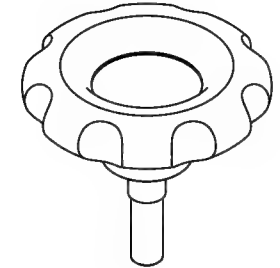
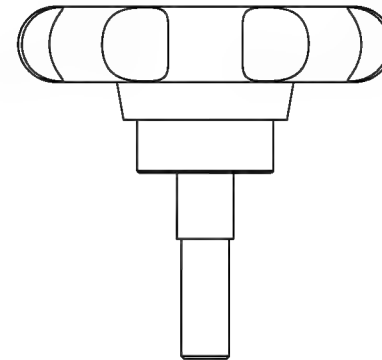
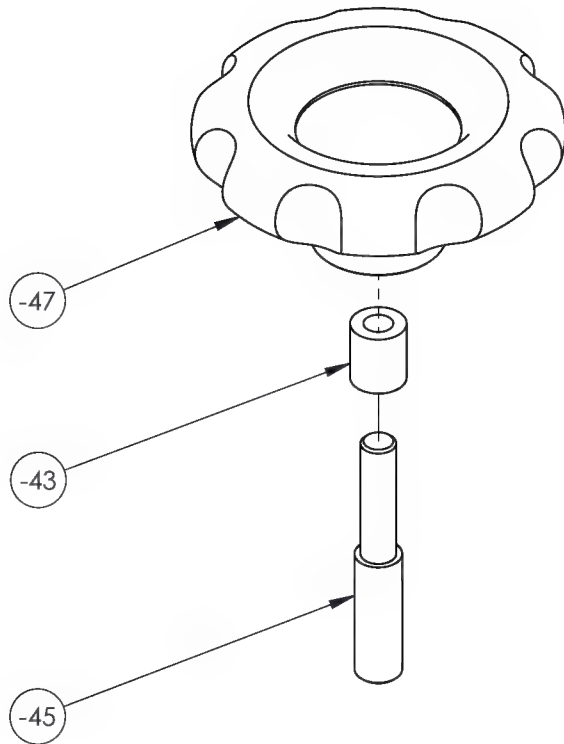
(-41)

PIN ALL THREAD

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-41	<b>REV</b> ?
<b>MAT'L</b> STEEL	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i>
	<b>HEAT TREAT</b>
	<b>FINISH</b>
	<b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> AW139
<b>SCALE</b> 1:1	<b>DATE</b> 6/21/2013 <b>SHEET</b> 23 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-43 REMOVED SPACER, MADE -45 AND -47 INTO ASSEMBLY.	6/26/2013	CFS	



(42)

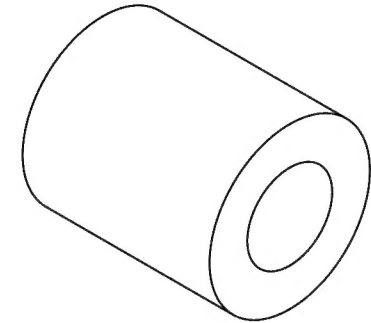
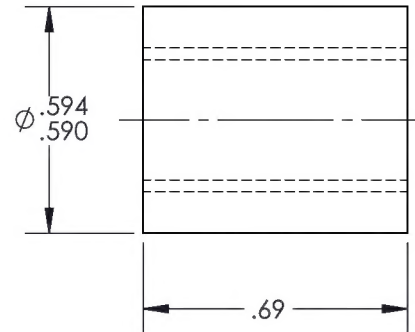
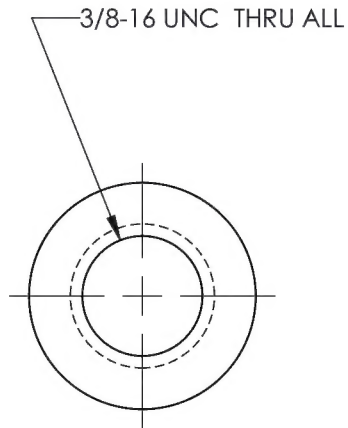
KNOB ASSEMBLY

NOTE  
1. USE APPROPRIATE ADHESIVE TO LOCK STUD -45 AND KNOB -47 TOGETHER AFTER THREADING SPACER -43 ONTO STUD -45.

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-42	<b>REV</b> 2
<b>MAT'L</b> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	<b>DRAWN BY:</b> SMITH <b>APPROVED</b> <i>D Weil</i> HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>SCALE</b> 1:2	<b>DATE</b> 6/27/2013
<b>SHEET 24 OF 28</b>	


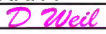
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED THREAD TO INSIDE	7/2/2013		



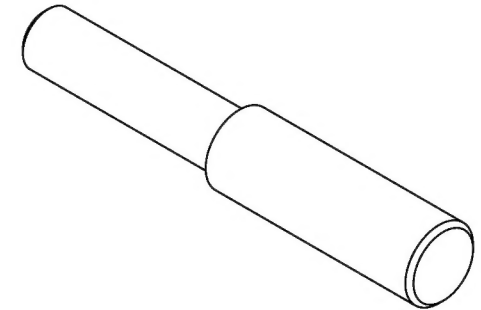
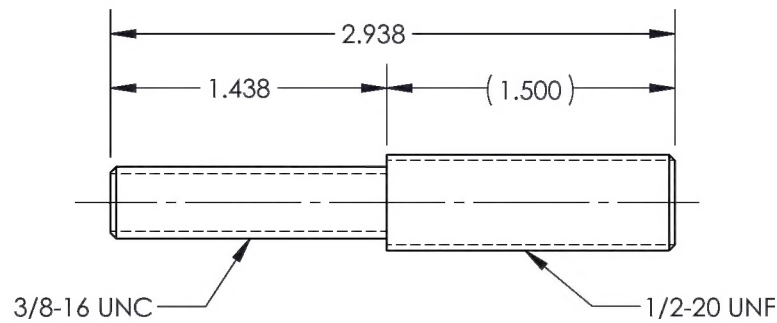
(-43)

HANDLE SPACER

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEAR BOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-43	<b>REV</b> 2
<b>MAT'L</b> DELRIN	<b>DRAWN BY:</b> PERRITT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 2:1	<b>DATE</b> 6/21/2013 <b>SHEET</b> 25 OF 28


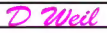
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-45 REMOVED Ø.375 S.F., EXTENDED 3/8-16 THREAD	6/26/2013	CFS	



(-45)

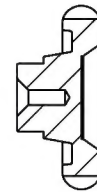
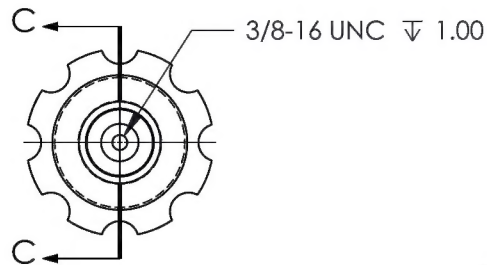
HANDLE ALL THREAD

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-45</b>	<b>REV</b> <b>2</b>
<b>MAT'L</b> PLAIN STEEL	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b>  <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:1	<b>DATE</b> 6/21/2013 <b>SHEET</b> 26 OF 28



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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



SECTION C-C

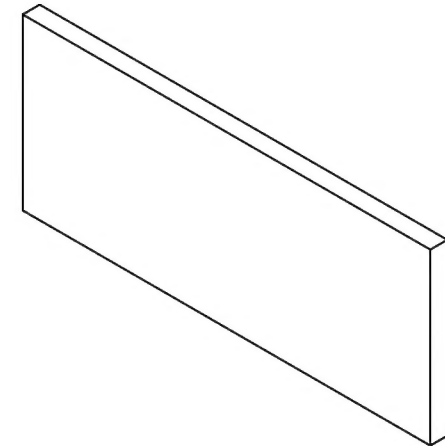
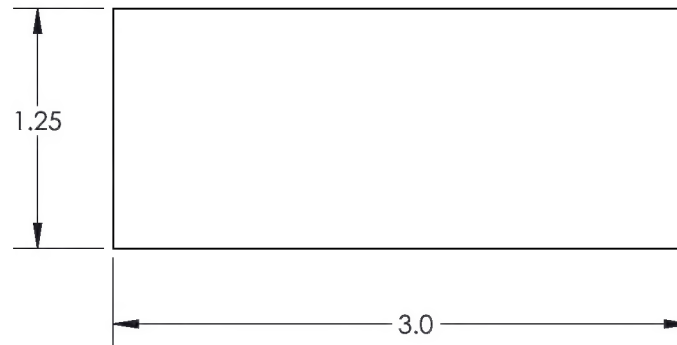
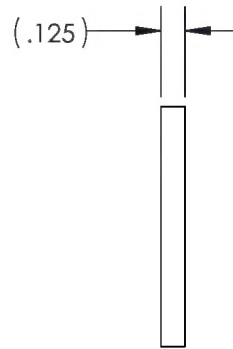
(-47)

KNOB

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> <b>AW139 MAIN GEARBOX TROLLEY</b>	
<b>DWG NO.</b> <b>RBW6305G19833-3G-47</b>	<b>REV</b> <b>?</b>
<b>MAT'L</b> PHENOLIC	<b>DRAWN BY:</b> PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01        ANGLES ± 5° .X ± .1	<b>APPROVED</b> <i>D Weil</i> <b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b> <b>AW139</b>
<b>SCALE</b> 1:4	<b>DATE</b> 6/24/2013 <b>SHEET 27 OF 28</b>


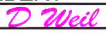
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED PART -67	7/1/2013	JAG	



(-67)

STOP

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> AW139 MAIN GEARBOX TROLLEY	
<b>DWG NO.</b> RBW6305G19833-3G-67	<b>REV</b> 2
<b>MAT'L</b> STEEL	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005      FRACTIONS ± 1/32 .XX ± .01      ANGLES ± 5° .X ± .1	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT</b> <b>FINISH</b> <b>SPEC</b> USED ON MODEL AW139
<b>SCALE</b> 1:1	<b>DATE</b> 7/1/2013 <b>SHEET</b> 28 OF 28